

CFO18108.ST25
1/9

SEQUENCE LISTING

<110> CANON KABUSHIKI KAISHA

<120> Structure and method for producing structure, toner containing
structure, image forming method and device using toner

<130> CFO18108WO

<150> JP P2003-127508

<151> 2003-05-02

<160> 13

<170> PatentIn version 3.2

<210> 1

<211> 1501

<212> DNA

<213> Pseudomonas jessenii P161 strain

<400> 1

tgaacgctgg cggcaggcct aacacatgca agtcgagcgg atgacgggag cttgctcctg 60

aattcagcgg cggacgggtg agtaatgcct aggaatctgc ctggtagtgg gggacaacgt 120

ctcgaaaggg acgctaatac cgcatacgtc ctacgggaga aagcagggga ccttcggggc 180

ttgcgctatc agatgagcct aggtcggatt agctagttag tgaggtaatg gctcaccaag 240

gcgacgatcc gtaactggtc tgagaggatg atcagtcaca ctggaactga gacacgggtc 300

agactcctac gggaggcagc agtggggaat attggacaat gggcgaaagc ctgatccagc 360

catgccgcgt gtgtgaagaa ggtcttcgga ttgtaaagca ctttaagttg ggaggaaggg 420

CFO18108.ST25

2/9

cattaaccta atacgttagt gttttgacgt taccgacaga ataagcacccg gctaactctg 480

tgccagcagc cgcggttaata cagagggtgc aagcgtaaat cggaattact gggcgtaaag 540

cgcgcgtagg tggtttgtta agttggatgt gaaagccccg ggctcaacct gggaactgca 600

ttcaaaactg acaagctaga gtatggtaga gggtagtgga atttcctgtg tagcggtgaa 660

atgcgtagat ataggaagga acaccagtgg cgaaggcgac cacctggact gatactgaca 720

ctgagggtgcg aaagcgtagg gagcaaacag gattagatac cctggtagtc cacgccgtaa 780

acgatgtcaa ctagccgttg ggagccttga gctcttagtg gcgcagctaa cgcattaagt 840

tgaccgcctg gggagtacgg ccgcaagggt aaaactcaaa tgaattgacg ggggcccgca 900

caagcggttg agcatgtggt ttaattcgaa gcaacgcgaa gaaccttacc aggccttgac 960

atccaatgaa ctttcagag atggatgggt gccttcggga acattgagac aggtgctgca 1020

tggtgtgctg cagctcgtgt cgtgagatgt tgggttaagt cccgtaacga gcgcaaccct 1080

tgctcttagt taccagcacg taatggtggg cactctaagg agactgccgg tgacaaaccg 1140

gaggaagggt gggatgacgt caagtcacga tggcccttac ggcctgggct acacacgtgc 1200

tacaatggtc ggtacagagg gttgccaagc cgcgagggtg agctaattccc acaaaaccga 1260

tcgtagtccg gatcgagtc tgcaactcga ctgcgtgaag tcggaatcgc tagtaatcgc 1320

gaatcagaat gtcgcggtga atacgttccc gggccttgta cacaccgccc gtcacaccat 1380

gggagtgggt tgcaccagaa gtagctagtc taaccttcgg gaggacggtt accacggtgt 1440

gattcatgac tggggtgaag tcgtaccaag gtagccgtag gggaacctgc ggctggatca 1500

CFO18108.ST25
3/9

c

1501

<210> 2

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Primer for PCR multiplication

<400> 2

tgctggaact gatccagtac

20

<210> 3

<211> 23

<212> DNA

<213> Artificial

<220>

<223> Primer for PCR multiplication

<400> 3

gggttgagga tgctctggat gtg.

23

<210> 4

<211> 1680

<212> DNA

<213> Pseudomonas cichorii YN2; FERM P-17411

<400> 4

atgagtaaca agagtaacga tgagttgaag tatcaagcct ctgaaaacac cttggggcctt

60

aatcctgtcg ttgggctgcg tggaaaggat ctactggcctt ctgctcgaat ggtgcttagg

120

CFO18108.ST25

4/9

caggccatca agcaaccggt gcacagcgtc aaacatgtcg cgcactttgg tcttgaactc 180

aagaacgtac tgctgggtaa atccgggctg caaccgacca gcgatgaccg tcgcttcgcc 240

gatccggcct ggagcctagaa cccgctctat aaacgttatt tgcaaaccta cctggcgtgg 300

cgcaaggaac tccacgactg gatcgatgaa agtaacctcg cccccaagga tgtggcgcgt 360

gggcacttcg tgatcaacct catgaccgaa gccatggcgc cgaccaaac cgcgccaac 420

ccggcggcag tcaaacgctt tttcgaaacc ggtggcaaaa gcctgctcga cggcctctcg 480

cacctggcca aggatctggt acacaacggc ggcatgccga gccagggtcaa catgggtgca 540

ttcgaggctg gcaagagcct gggcgtgacc gaaggcgcgg tgggttttcg caacgatgtg 600

ctggaactga tccagtacaa gccgaccacc gagcaggtat acgaacgccc gctgctggtg 660

gtgccgccgc agatcaacaa gttctacgtt ttgacctga gcccgacaa gagcctggcg 720

cggttctgcc tgcgcaacaa cgtgcaaacg ttcacgtca gctggcgaaa tcccaccaag 780

gaacagcgag agtggggcct gtcgacctac atcgaagccc tcaaggaagc ggttgatgtc 840

gttaccgca tcaccggcag caaagacgtg aacatgctcg gcgctgctc cggcggcatc 900

acttgaccg cgctgctggg ccattacgcg gcgattggcg aaaacaaggt caacgccctg 960

accttgctgg tgagcgtgct tgataccacc ctgcacagcg atgttgccct gttcgtcaat 1020

gaacagaccc ttgaagccgc caagcgccac tcgtaccagg ccggcgctact ggaaggccgc 1080

gacatggcga aggtcttcgc ctggatgcgc cccaacgatc tgatctggaa ctactgggtc 1140

aacaattacc tgctaggcaa cgaaccgccg gtgttcgaca tcctgttctg gaacaacgac 1200

CFO18108.ST25

5/9

accacacggt tgcccgcggc gttccacggc gacctgatcg aactgttcaa aaataaccca 1260
ctgattcgcc cgaatgcact ggaagtgtgc ggcaccccca tcgacctcaa gcaggtgacg 1320
gccgacatct tttccctggc cggcaccaac gaccacatca ccccgaggaa gtcctgctac 1380
aagtcggcgc aactgtttgg cggcaacggt gaattcgtgc tgcgagcag cgggcatatc 1440
cagagcatcc tgaacccgcc gggcaatccg aaatcgcgct acatgaccag caccgaagtg 1500
gcggaaaatg ccgatgaatg gcaagcgaat gccaccaagc ataccgattc ctggtggctg 1560
cactggcagg cctggcaggc ccaacgctcg ggcgagctga aaaagtcccc gacaaaactg 1620
ggcagcaagg cgtatccggc aggtgaagcg gcgccaggca cgtacgtgca cgaacggtaa 1680

<210> 5

<211> 1683

<212> DNA

<213> Pseudomonas cichorii YN2; FERM P-17411

<400> 5

atgcgcgata aacctgcgag ggagtcacta cccacccccg ccaagttcat caacgcacaa 60
agtgcgatta ccggcctgcg tggccgggat ctggtttcga ctttgcgcag tgcgccgcc 120
catggcctgc gccaccccggt gcacaccgcg cgacacgcct tgaaactggg tgggtcaactg 180
ggacgcgtgt tgctgggcga caccctgcat cccaccaacc cgcaagaccg tcgcttcgac 240
gatccggcgt ggagtctcaa tcccttttat cgtcgcagcc tgcaggcgta cctgagctgg 300
cagaagcagg tcaagagctg gatcgacgaa agcaacatga gcccggatga ccgcgcccggt 360

CFO18108.ST25
6/9

gcgcacttcg cggtcgccct gctcaacgat gccgtgtgc cgtccaacag cctgctcaat 420

ccgctggcga tcaaggaaat cttcaactcc ggccgcaaca gcctgggtgc cgggatcggc 480

catctggctg atgacctctt gcacaacgat ggcttgcccc ggcaagtcac caggcatgca 540

ttcgaggttg gcaagaccgt cgccaccacc accggcgccg tgggtgttcg caacgagctg 600

ctggagctga tccaatacaa gccgatgagc gaaaagcagt attccaaacc gctgctggtg 660

gtgccgccac agatcaacaa gtactacatt tttgacctca gccccataa cagcttcgtc 720

cagttcgcgc tcaagaacgg cctgcaaacc ttcgtcatca gctggcgcaa tccggatgta 780

cgtcaccgcg aatggggcct gtcgacctac gtcgaagcgg tggaagaagc catgaatgtc 840

tgccgggcaa tcaccggcgc gcgcgaggtc aacctgatgg gcgcctgcgc tggcgggctg 900

accattgctg ccctgcaggg ccacttgcaa gccaaagcgc agctgcgccg cgtctccagc 960

gcgacgtacc tggtagacct gtcgacagc caactggaca gcccggccac actcttcgcc 1020

gacgaacaga ccctggaggc ggccaagcgc cgctcctacc agaaaggtgt gctggaaggc 1080

cgcgacatgg ccaaggtttt cgcttgatg cgccccaacg atttgatctg gagctacttc 1140

gtcaacaatt acctgatggg caaggagccg ccggcgttcg acattctcta ctggaacaat 1200

gacaacacac gcctgccggc cgccctgcat ggtgacttgc tggacttctt caagcacaac 1260

ccgctgagcc atccgggtgg cctggaagtg tgcggcaccc cgatcgactt gcaaaaaggtc 1320

accgtcgaca gtttcagcgt ggccggcatc aacgatcaca tcacgccgtg ggacgcggtg 1380

tatcgctcaa ccctgttgct cggtggcgag cgtcgctttg tcctggccaa cagcggtcat 1440

CFO18108.ST25
7/9

gtgcagagca ttctcaaccc gccgaacaat ccgaaagcca actacctcga aggtgcaaaa 1500
ctaagcagcg accccagggc ctggtactac gacgccaagc ccgtcgacgg tagctggtgg 1560
acgcaatggc tgggctggat tcaggagcgc tcgggcgcgc aaaaagaaac ccacatggcc 1620
ctcggcaatc agaattatcc accgatggag gcggcgcccg ggacttacgt gcgcgtgcgc 1680
tga 1683

<210> 6
<211> 29
<212> DNA
<213> Artificial

<220>
<223> Primer for PCR multiplication

<400> 6
ggaccaagct tctcgtctca gggcaatgg 29

<210> 7
<211> 29
<212> DNA
<213> Artificial

<220>
<223> Primer for PCR multiplication

<400> 7
cgagcaagct tgctcctaca ggtgaaggc 29

<210> 8

CFO18108.ST25
8/9

<211> 29

<212> DNA

<213> Artificial

<220>

<223> Primer for PCR multiplication

<400> 8

gtattaagct tgaagacgaa ggagtgttg

29

<210> 9

<211> 30

<212> DNA

<213> Artificial

<220>

<223> Primer for PCR multiplication

<400> 9

catccaagct tcttatgac gggtcatgcc

30

<210> 10

<211> 30

<212> DNA

<213> Artificial

<220>

<223> Primer for PCR multiplication

<400> 10

cgggatccag taacaagagt aacgatgagt

30

<210> 11

CFO18108.ST25
9/9

<211> 30

<212> DNA

<213> Artificial

<220>

<223> Primer for PCR multiplication

<400> 11

cgatctcgag ttaccgttcg tgcacgtacg

30

<210> 12

<211> 30

<212> DNA

<213> Artificial

<220>

<223> Primer for PCR multiplication

<400> 12

cgggatcccg cgataaacct gcgagggagt

30

<210> 13

<211> 30

<212> DNA

<213> Artificial

<220>

<223> Primer for PCR multiplication

<400> 13

cgatctcgag ggcacgcgc acgtaagtcc

30